

Recombinant H5N1 (A/Vietnam 1203/04) H5N1V0304 protein

Cat. No. H5N1V0304-221I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full-Length H5N1 A/Vietnam/1203/04 is glycosylated with N-linked sugars, produced using baculovirus and when processed under denaturing conditions splits into the HA1 and HA2 domains which are approximately 45,000 and 25,000kDas respectively H5N1 A/Vietnam/1203/04 accession number is ISDN38687.
Species	H5N1
Source	Insect Cells
Description	Influenza A virus subtype H5N1 is a subtype of the Influenza A virus. Subtype H5N1 is commonly known as avian influenza or bird flu. H5N1 may cause more than one influenza pandemics it is expected to continue mutating in birds. The dominant strain of HPAI A (H5N1) evolved creating the Z genotype. It has also been called Asian lineage HPAI/A/H5N1 which is divided into 2 antigenic clades. "Clade 1 includes human and bird isolates from Vietnam, Thailand, and Cambodia and bird isolates from Laos and Malaysia. Clade 2 viruses were first identified in bird isolates from China, Indonesia, Japan, and South Korea before spreading westward to the Middle East, Europe, and Africa.
Form	Sterile Filtered colorless solution. The Recombinant H5N1 A/Vietnam/1203/04 solution contains 10mM Sodium Phosphate, pH 7.1, 0.005% Tween-20 and 150mM NaCl.
AA sequence	VKMEKIVLLFAIVSLVKSDQICIGYHANNSTEQVDTIMEKNVTVTHAQDILEKKHNGKL

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CDLDGVKPLILRDCSVAGWLLGNPMCDEFINVPEWSYIVEKANPVNDLCYPGDFND
 YEELKHLLSRINHFEKIQIIPKSSWSSHEASLGVSACPYQGKSSFFRNVVWLIKNS
 TYPTIKRSYNNTNQEDLLVLWGIHHPNDAAEQTKLYQNPTTYISVGTSTLNQRLVPRI
 ATRSKVNGQSGRMEFFWTILKPNDAINFESNGNFIAPEYAYKIVKKGDSTIMKSELEY
 GNCNTKCQTPMGAINSSMPFHNIHPLTIGECPKYVKS NRLVLATGLRNSPQRERRR
 KKRGLFGAIAGFIEGGWQGMVDGWYGYHHSNEQSGSYAADKESTQKAIDGVTNKV
 NSIIDKMNTQFEAVGREFNNLERRIENLNKKMEDGFLDVWTYNAELLVLMENERTLD
 FHDSNVKNLYDKVRLQLRDNAKELGNGCFEFYHKCDNECMESVRNGTYDYPQYSE
 EARLKREEISGVKLESIGIYQILSIYSTVASSLALAIMVAGLSLWMCSNGSLQCRICI.

Purity

Greater than 90.0% as determined by Analysis by SDS-PAGE, HA1 and HA2 bands are observed using SDS-PAGE under reducing conditions.

Usage

The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Stability

H5N1 A/Vietnam/1203/04 Recombinant should be stored at 4°C. Do not freeze!

Shipping

Ice Packs